

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A method for evaluating a the physiological activity of an external stimulus on living cells by means of a surface plasmon resonance analyzer, which comprises immobilizing the living cells on a surface plasmon resonance analyzer, continuously measuring a primary signal and a secondary signal appearing after the primary signal when the external stimulus is given to the living cells, and evaluating the physiological activity of the external stimulus on the cells with an indication of a the secondary signal ~~appearing after a primary signal upon the exposure of the living cells to the external stimulus.~~

Claim 2 (Original) The method according to claim 1, wherein the secondary signal is a signal appearing after elimination of the external stimulus.